

Table 103. **FERTILIZER:** Consumption by Kind, Years Ended June 30, 1989-1998 <sup>1/</sup>

| Kind of Fertilizer                            | 1989              | 1990  | 1991  | 1992  | 1993  | 1994  | 1995  | 1996  | 1997  | 1998  |
|---|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|   | <i>1,000 tons</i> |       |       |       |       |       |       |       |       |       |
| <b>TOTAL FERTILIZER</b>                       |                   |       |       |       |       |       |       |       |       |       |
| All Kinds                                     | 544.4             | 659.9 | 575.3 | 670.7 | 596.1 | 712.3 | 641.1 | 452.9 | 530.6 | 559.2 |
| <b>SINGLE NUTRIENT FERTILIZERS</b>            |                   |       |       |       |       |       |       |       |       |       |
| Total   | 163.3             | 217.5 | 197.5 | 290.4 | 279.7 | 339.9 | 272.3 | 195.7 | 248.2 | 299.8 |
| <b>Nitrogen Materials, Total</b>              | 85.9              | 124.5 | 119.7 | 191.7 | 192.5 | 212.4 | 191.6 | 132.7 | 148.5 | 202.1 |
| Anhydrous ammonia                             | 7.0               | 11.6  | 9.1   | 6.9   | 6.1   | 15.8  | 5.8   | 2.8   | 5.7   | 4.9   |
| Nitrogen solutions                            | 38.5              | 56.3  | 57.2  | 53.4  | 57.6  | 59.9  | 73.9  | 40.2  | 50.2  | 61.1  |
| Urea  | 22.8              | 30.9  | 25.7  | 46.9  | 50.3  | 58.1  | 33.6  | 28.8  | 28.0  | 44.9  |
| Ammonium nitrate                              | 12.5              | 17.6  | 14.1  | 11.7  | 11.0  | 11.4  | 9.1   | 6.3   | 6.0   | 11.1  |
| Ammonium sulfate                              | 2.2               | 4.1   | 6.1   | 5.2   | 5.6   | 11.7  | 11.1  | 9.7   | 10.3  | 12.3  |
| Other nitrogen materials                      | 3.0               | 4.1   | 4.9   | 67.4  | 62.0  | 55.5  | 58.1  | 44.9  | 48.3  | 67.8  |
| <b>Phosphate Materials, Total</b>             | 6.9               | 5.3   | 8.8   | 7.4   | 4.5   | 4.5   | 3.2   | 1.4   | 1.0   | 1.0   |
| Super phosphates                              | 5.3               | 5.1   | 3.5   | 5.9   | 4.4   | 3.1   | 2.3   | 1.2   | .9    | .8    |
| Other phosphates                              | 1.6               | .2    | 5.3   | 1.4   | .1    | 1.5   | .9    | .2    | .1    | .2    |
| <b>Potash Materials, Total</b>                | 70.5              | 87.7  | 69.0  | 91.4  | 82.7  | 123.1 | 77.6  | 61.6  | 98.7  | 96.7  |
| Potassium chloride                            | 44.2              | 54.7  | 49.9  | 65.2  | 60.2  | 93.6  | 63.7  | 45.3  | 49.6  | 64.4  |
| Potassium sulfate                             | 22.6              | 29.1  | 16.9  | 22.3  | 17.1  | 18.8  | 1.1   | .4    | .2    | .3    |
| Potassium mag. sulfate                        | N.A.              | 2.2   | 1.3   | 2.8   | 2.0   | 5.7   | 3.6   | 2.0   | 2.5   | 2.7   |
| Other potassium                               | 3.7               | 1.7   | .9    | 1.1   | 3.4   | 5.0   | 9.2   | 14.0  | 46.4  | 29.2  |
| <b>MULTIPLE-NUTRIENT FERTILIZERS</b>          |                   |       |       |       |       |       |       |       |       |       |
| Total   | 359.8             | 401.9 | 343.5 | 360.8 | 306.2 | 345.3 | 356.3 | 245.9 | 271.1 | 239.4 |
| <b>ORGANICS, SECONDARY AND MICRONUTRIENTS</b> |                   |       |       |       |       |       |       |       |       |       |
| Total   | 21.3              | 38.3  | 34.2  | 19.5  | 10.3  | 27.0  | 12.3  | 11.2  | 11.4  | 20.0  |

Table 104. **FERTILIZER:** Consumption of Primary Plant Nutrients, Years Ended June 30, 1989-1998 <sup>1/</sup>

| Year | Multiple-Nutrient Grades |   |                  |       | All Fertilizers |   |                  |       |
|------|--------------------------|---|------------------|-------|-----------------|---|------------------|-------|
|      | N                        | Available P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O | Total | N               | Available P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O | Total |
|      | <i>1,000 tons</i>        |   |                  |       |                 |   |                  |       |
| 1989 | 43.6                     | 58.7                                    | 51.5             | 153.7 | 76.8            | 60.9                                    | 90.3             | 228.0 |
| 1990 | 43.2                     | 66.1                                    | 45.3             | 154.5 | 92.2            | 68.3                                    | 93.7             | 254.1 |
| 1991 | 34.2                     | 51.3                                    | 35.4             | 120.9 | 78.9            | 53.8                                    | 74.3             | 207.0 |
| 1992 | 45.3                     | 69.7                                    | 44.0             | 159.0 | 94.9            | 72.5                                    | 95.3             | 262.7 |
| 1993 | 40.3                     | 60.0                                    | 37.5             | 137.7 | 92.9            | 62.0                                    | 83.5             | 238.4 |
| 1994 | 45.4                     | 75.0                                    | 36.2             | 156.5 | 116.3           | 76.7                                    | 104.1            | 297.1 |
| 1995 | 46.8                     | 63.9                                    | 44.2             | 155.0 | 99.9            | 65.1                                    | 85.3             | 250.3 |
| 1996 | 32.7                     | 44.7                                    | 29.2             | 106.5 | 65.9            | 45.3                                    | 59.3             | 170.5 |
| 1997 | 32.0                     | 44.7                                    | 28.5             | 105.2 | 71.7            | 45.1                                    | 68.0             | 184.7 |
| 1998 | 32.4                     | 47.2                                    | 27.6             | 107.2 | 83.7            | 47.6                                    | 72.9             | 204.1 |

**SOURCE:** Association of American Plant Food Control Officials and The Fertilizer Institute. Data for years prior to 1995 provided by the National Fertilizer and Environmental Research Center, Tennessee Valley Authority (TVA). Information provided by State Fertilizer Regulatory officials.

<sup>1/</sup> May not add due to rounding.